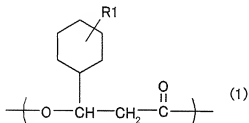


CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

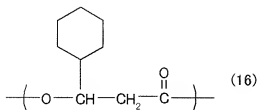
1 (currently amended). A polyhydroxyalkanoate homopolymer comprising a monomer unit represented by the following general formula (1):



(wherein R1 represents a substituent to a cyclohexyl group, where R1 is one selected from the group consisting of a H atom, a CN group, a NO₂ group, a halogen atom, a CH₃ group, a C₂H₅ group, a C₃H₇ group, a CF₃ group, a C₂F₅ group, and a C₃F₇ group; and if there are two or more monomer units, R1 may be different from every monomer unit).

2 (cancelled).

3 (currently amended). The polyhydroxyalkanoate homopolymer according to claim 1, wherein the monomer unit represented by the general formula (1) is a monomer unit represented by the following general formula (16):



4 (currently amended). The polyhydroxyalkanoate homopolymer according to claim 1, wherein the polymer molecule has a number average molecular weight of 2,000 or more and 300,000 or less.

5-18 (cancelled).

19 (currently amended). The polyhydroxyalkanoate homopolymer according to claim 1, where R1 is neither an H atom nor a halogen atom.